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Application No. 10/674,157
Amendment dated May 2, 2007
Reply to Office Action of February 6, 2007

MAY 07 2007

Docket No.: 013436.0278PTUS
(Docket 1-1)AMENDMENTS TO THE CLAIMS

1. (Currently amended) A network address translation system for isolating internal IP traffic from external IP traffic in the Inter-Working Function of a Global System for Mobile Communications network, comprising:

network means for interconnecting an Inter-Working Function Protocol Engine and an Inter-Working Function Management System, located in said Inter-Working Function, and a network server for processing external IP traffic with an external data communication network

internal IP address means for assigning [[a]] each port of said Inter-Working Function Protocol Engine with a private IP address for use exclusively on said network means;

external IP address means for additionally assigning selected ones of said port ports of said Inter-Working Function Protocol Engine with a public IP address for access from a source located external to said Inter-Working Function; and

routing means for assigning a one of said private and public IP addresses to routing data transmissions received at said network means and associated with [[said]] a port of said Inter-Working Function Protocol Engine to a destination identified by said data transmissions comprising:

address means for appending said assigned public IP address to said data transmission as a source address when said port of said Inter-Working Function Protocol Engine is a source of said data transmissions for transmission to said network server, and for appending said assigned private IP address to said data transmission as a source address when said port of said Inter-Working Function Protocol Engine is a source of said data transmissions for transmission to said Inter-Working Function Management System.

2. (Currently amended) The network address translation system of claim 1 further comprising wherein said network server means comprises:

L2TP network server means connected to said network means for interconnecting said network means with the Internet.

Claims 3 and 4 (Canceled)

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5. (Currently amended) A method using network address translation for isolating internal IP traffic from external IP traffic in the Inter-Working Function of a Global System for Mobile Communications network, comprising:

interconnecting via a network an Inter-Working Function Protocol Engine and an Inter-Working Function Management System, located in said Inter-Working Function, and a network server for processing external IP traffic with an external data communication network;

assigning [[a]] each port of said Inter-Working Function Protocol Engine with a private IP address for use exclusively on said network;

additionally assigning selected ones of said port ports of said Inter-Working Function Protocol Engine with a public IP address for access from a source located external to said Inter-Working Function; and

assigning a one of said private and public IP addresses to routing data transmissions received at said network and associated with [[said]] a port of said Inter-Working Function Protocol Engine to a destination identified by said data transmissions comprising:

appending said assigned public IP address to said data transmission as a source address when said port of said Inter-Working Function Protocol Engine is a source of said data transmissions for transmission to said network server, and for appending said assigned private IP address to said data transmission as a source address when said port of said Inter-Working Function Protocol Engine is a source of said data transmissions for transmission to said Inter-Working Function Management System.

6. (Currently amended) The method of claim 5 further comprising wherein said step of routing comprises:

interconnecting said network with the Internet via a L2TP network server connected to said network.

Claims 7 and 8 (Canceled)